



A.D. 1860, *7th FEBRUARY.* N^o 322.

S P E C I F I C A T I O N

OF

PAUL CHIARTROULE.

APPARATUS FOR THE INHALATION OF
IODINE.

L O N D O N :

PRINTED BY GEORGE E. EYRE AND WILLIAM SPOTTISWOODE,

PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY :

PUBLISHED AT THE GREAT SEAL PATENT OFFICE,

25, SOUTHAMPTON BUILDINGS, HOLBORN.

Price 7d.

1860.



A.D. 1860, 7th FEBRUARY. N° 322.

Apparatus for the Inhalation of Iodine.

LETTERS PATENT to Paul Chartroule, of 29, Boulevard St. Martin, Paris, in the Empire of France, Doctor, for the Invention of “**IODINE INHALING MEANS AND APPARATUS FOR MEDICAL PURPOSES.**”

Sealed the 24th July 1860, and dated the 7th February 1860.

PROVISIONAL SPECIFICATION left by the said Paul Chartroule at the Office of the Commissioners of Patents, with his Petition, on the 7th February 1860.

I, PAUL CHARTROULE, of 29, Boulevard St. Martin, Paris, in the Empire
5 of France, Doctor, do hereby declare the nature of the said Invention for
“**IODINE INHALING MEANS AND APPARATUS FOR MEDICAL PURPOSES,**” to be as
follows :—

My Invention relates to improved medical treatment or processes and appa-
ratus for the cure of scrofula, chronic bronchitis, chest, and other deseases.
10 These improvements are, first, the use of an iodometer to be used for inhaling
iodine, and, secondly, of iodized cigarettes.

In the annexed Drawing is an illustration of my improved iodometer ; the
apparatus is very simple, and combines in a small compass all the necessary
requirements for keeping the air which is charged with the medical properties
15 at an invariable temperature ; it consists of two distinct parts, viz., 1st, a spirit
lamp ; 2ndly, an inhaling apparatus ; *a*, spirit lamp ; *b*, wick holder of glass
serving to keep it in position ; *c*, metal arms supporting the inhaling apparatus ;

Chartroule's Apparatus for the Inhalation of Iodine.

d, metal support for the lamp screwed to a metal foot *e*; *f*, receiver of ivory; *g*, capillary tube which receives the iodine in small cylinders, which are set in motion by means of a piston of platina. This tube has on it a graduated scale, the starting point of which is indicated by a circular mark; *h*, sphere fixed to the ivory receiver *f*; *i*, bent tube formed of ivory and crystal terminated by an 5
amber mouthpiece *j*, from which the vapour of iodine is inhaled.

The whole being arranged as described, it will be readily understood that to supply the iodometer with iodine it is only necessary to unscrew the capillary tube *g*, lower the platina piston; one or two cylinders of iodine are then slid in & in contact with that piston. This being done, the capillary tube is again 10
screwed to receiver *f*, which is then held in position by the support of the lamp. The apparatus being thus disposed, the lamp is lighted a few minutes before making use of it.

To iodize the cigarettes it is simply necessary to mix a salt of iodine with tobacco, which is formed into cigarettes, in which it is consumed by the act of 15
smoking as in ordinary. The iodized cigarettes forming the second part of my Invention are ignited and smoked in the same manner as ordinary cigars.

SPECIFICATION in pursuance of the conditions of the Letters Patent, filed by the said Paul Chartroule in the Great Seal Patent Office on the 2nd August 1860.

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TO ALL TO WHOM THESE PRESENTS SHALL COME, I, PAUL CHARTROULE, of 29, Boulevard St. Martin, Paris, in the Empire of France, Doctor, send greeting.

WHEREAS Her most Excellent Majesty Queen Victoria, by Her Letters Patent, bearing date the Seventh day of February, in the year of our Lord 25
One thousand eight hundred and sixty, in the twenty-third year of Her reign did, for Herself, Her heirs and successors, give and grant unto me, the said Paul Chartroule, Her special licence that I, the said Paul Chartroule, my executors, administrators, and assigns, or such others as I, the said Paul Chartroule, my executors, administrators, and assigns, should at any time 30
agree with, and no others, from time to time and at all times thereafter during the term therein expressed, should and lawfully might make, use, exercise, and vend, within the United Kingdom of Great Britain and Ireland, the Channel Islands, and Isle of Man, an Invention for “**IODINE INHALING MEANS AND APPARATUS FOR MEDICAL PURPOSES**,” upon the condition (amongst 35
others) that I, the said Paul Chartroule, by an instrument in writing under

Chartroule's Apparatus for the Inhalation of Iodine.

my hand and seal, should particularly describe and ascertain the nature of the said Invention, and in what manner the same was to be performed, and cause the same to be filed in the Great Seal Patent Office within six calendar months next and immediately after the date of the said Letters Patent.

5 **NOW KNOW YE**, that I, the said Paul Chartroule, do hereby declare the nature of my said Invention, and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement, reference being had to the annexed Drawings, and to the letters marked thereon, that is to say:—

10 My Invention relates to new or improved iodine inhaling means and apparatus for the cure of scrofula, chest, and other diseases, such inhaling being effected by means of the so called iodometer or by means of iodized cigarettes.

I have represented in the annexed Drawing the iodometer of my Invention, 15 where Fig. 1 shows the said apparatus in position ready for use; the other Figures show details to be herein-after described. This inhaling apparatus is very simple, and combines in a small compass all the necessary requirements for keeping the air which is charged with the medical properties at an invariable temperature; it consists of two distinct parts, viz., first, a spirit lamp, and 20 secondly an inhaling apparatus; *a*, spirit lamp; *b*, wick holder of glass serving to keep it in position; *c*, metal arm supporting the inhaling apparatus; *d*, metal support for the lamp, screwed to a metal foot *e*; *f*, cylindrical receiver of ivory. This receiver has fixed inside of it a crystal tube, taper ended, for leading the air towards the upper end of the iodine cylinder enclosed in a small tube, the 25 mouthed part of which receives a small cork stopper *h*, with an ivory knob upon it, through which passes a spiral little tube which is heated by the lamp, and the air in passing through this tube becomes thus heated; *g*, capillary tube, which receives the iodine in small cylinders set in motion by means of a piston of platina *n*. This capillary tube has a graduated scale, the starting point of 30 which is indicated by a circular mark; *k*, spherical part fixed to the ivory receiver *f*; *l*, bent tube formed of ivory and crystal terminated by an amber mouth-piece *m*, from which the vapor of iodine is inhaled.

The whole being arranged as described, it will be easily understood that to supply the iodometer with the iodine it is only necessary to unscrew the 35 capillary tube *g*, and lower the platina piston; one or two cylinders of iodine are then slid in, and brought in contact with that piston. This being done, the capillary tube is again screwed to receiver *f*, already held in position by the ferule of the lamp. The apparatus being thus disposed, the lamp is lighted a few instants before making use of it. The tube *l* of the apparatus is pressed

Chartroule's Apparatus for the Inhalation of Iodine.

between the lips, and the vapor is inhaled in the same manner as when smoking tobacco. The iodized cigarettes above mentioned are ignited and smoked in the same manner as ordinary cigars.

Having now described the nature of my Invention, and the manner in which the same is to be carried into effect, I desire it to be distinctly understood that I do not confine myself to the precise details, nor to the strict form of the apparatus or portions of the apparatus herein described and represented; but what I claim as new and of my Invention is, the iodine inhaling apparatus or iodometer, and also the iodized cigarettes as described for the cure of scrofula, chronic bronchitis, chest, and other diseases. 10

In witness whereof, I, the said Paul Chartroule, have set my hand and seal, this Twenty-sixth day of July, in the year of our Lord One thousand eight hundred and sixty.

P. CHARTROULE. (L.S.)

LONDON :

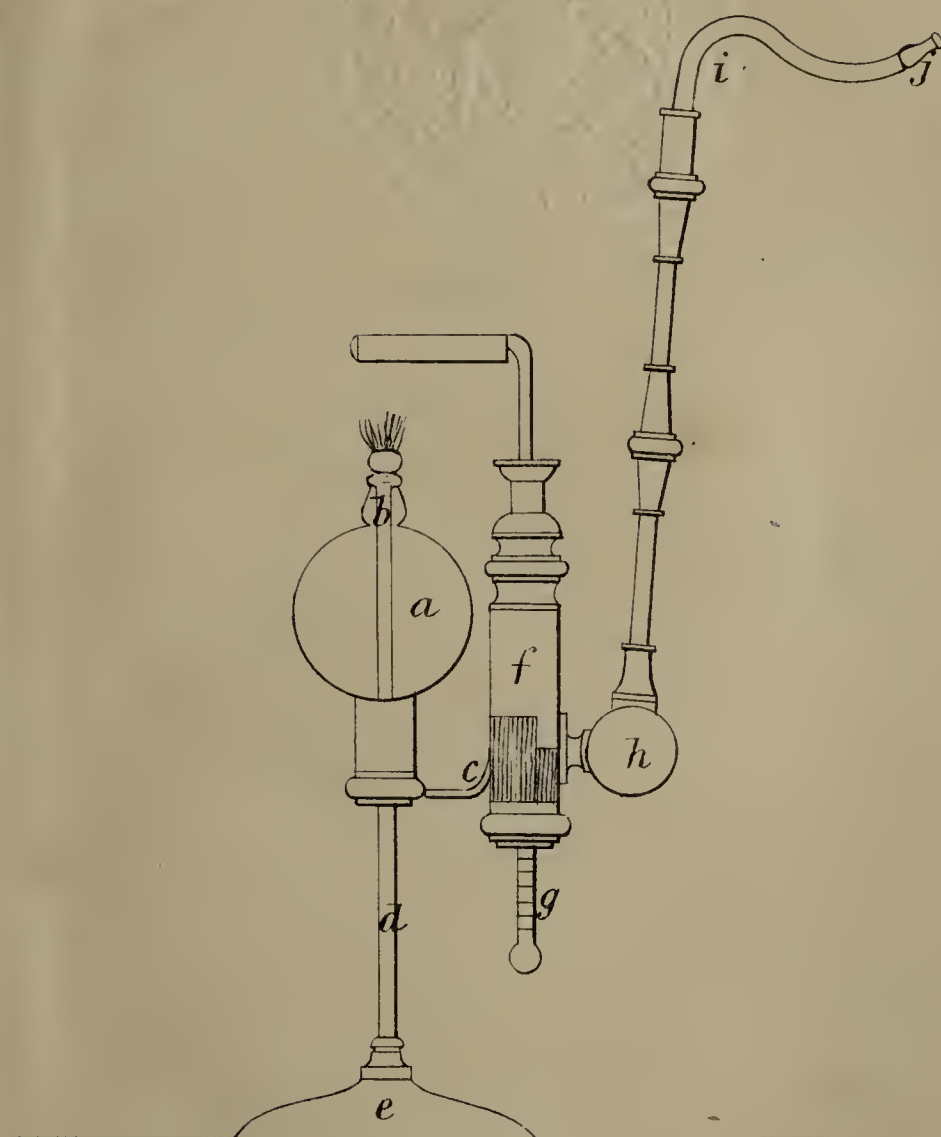
Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty. 1860.

(1 SHEET)

A.D. 1860. FEB. 7. N° 322.

CHARTROULE'S PROVISIONAL SPECIFICATION.

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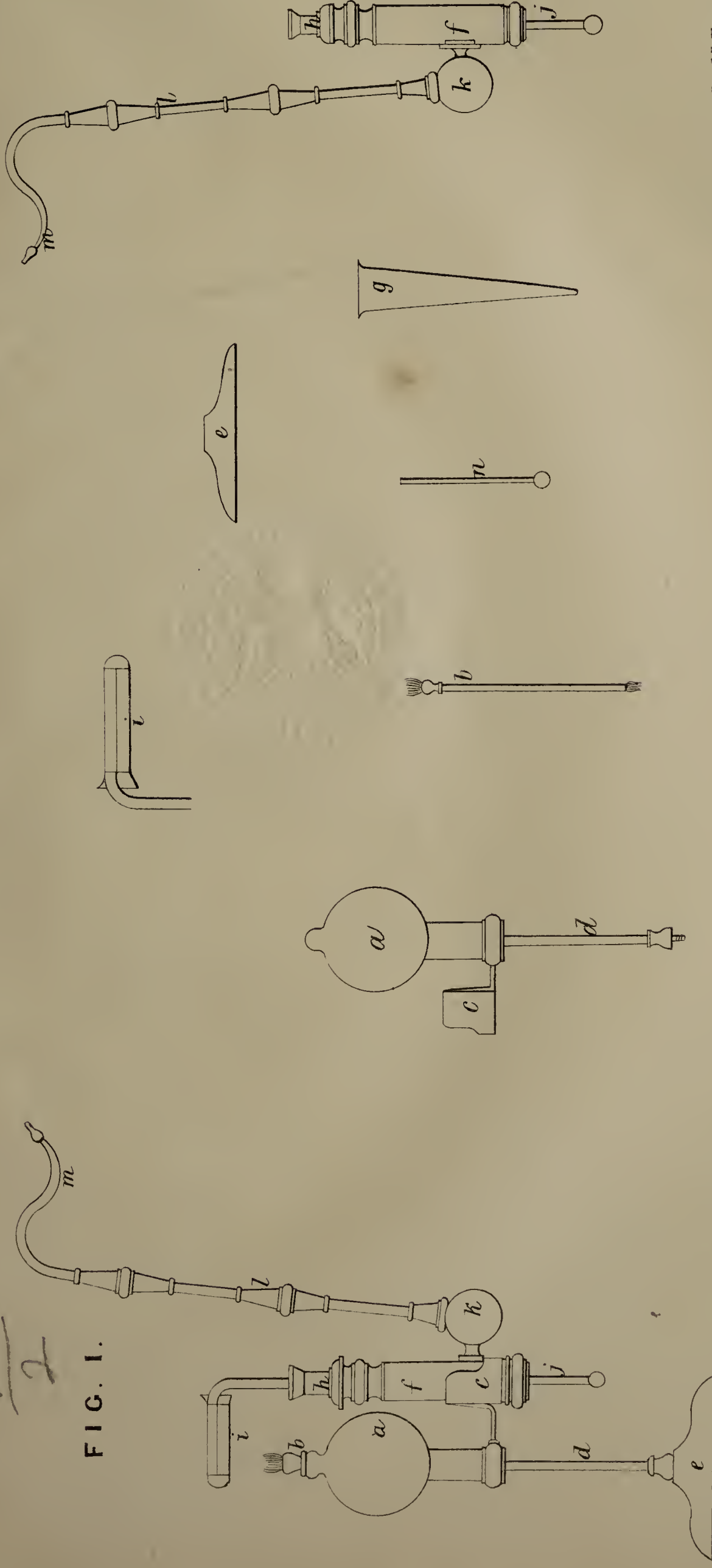


The drawing left with Provisional Specification is not colored.

Drawn on Stone by Malby & Sons.

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FIG. 1.



Drawn on Stone by Malby & Sons.

The filed drawing is not colored.

